

Walpole FY 2022

Classification Hearing

Tuesday

November 23, 2021

Determination of

Residential Factor

(Tax Rates for FY 2022)

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Description

Small Commercial Exemption

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CLASSIFICATION HEARING &

RESIDENTIAL FACTOR (The Shift)

In accordance with the Massachusetts General Laws, Chapter 369 of the Acts of 1982, Chapter 797 of the Acts of 1979, Classification Amendment, the Selectmen will hold a Public Hearing, to receive public input relative to their decision regarding the determination of the Residential Factor for Fiscal Year 2022. (The Tax Rate for FY 2022)

Under Massachusetts General Laws, Cities & Towns are allow to reallocate or Shift the tax burden between the different classes of properties.

The Residential Factor determines the allocation of the Real and Personal Property Tax burden (The Shift) between various classes of properties. By deciding a Residential Factor you will also be deciding the tax rates for the Real & Personal Property Classes.

The Department of Revenue has authorized the adoption of two tax rates. One for the Residential & Open Space Classes and one for the Commercial, Industrial and Personal Property Classes.

Current law allows increasing the Commercial, Industrial and Personal Property burden by 50% as long as the Residential and Open Space Classes contribute at least 65% of the burden. The rate at this maximum shift is known as the Minimum Residential Factor.

CURRENTLY THE TOWN OF WALPOLE HAS A SHIFT OF 1.275%.

THE SHIFT

aka / Residential Factor

Massachusetts law allows for a shift of the tax burden from the residential class of properties to the commercial, industrial and personal property classes (CIP). Walpole first adopted the shift or a split tax rate in Fiscal Year 1990. By adopting a Residential Factor of "1" or no shift it would result in taxation of all property at the same tax rate, a single tax rate. In Fiscal Year 2022 the single tax rate in Walpole would be \$15.07 per thousand of assessment. Choosing a Residential Factor of less than one results in increasing the share of the levy (taxes) paid by the commercial, industrial and personal property (Current Factor at 0.9593). Residential property owners will therefore pay a proportionately lower share of the total levy (Pay less Taxes). Thus the shift to the commercial, industrial and personal properties is expressed in a percentage greater the 1. (Walpole has a CIP current shift of 1.275%).

Scenario: 1...Single Tax Rate of \$15.07

The FY 2022 Average Single Family Assessment of \$591,350 would pay approximately \$8,912 in property taxes.

Scenario: 2...Split Tax Rate of \$14.46 (with current shift 1.275%)

The FY 2022 Average Single Family Assessment of \$591,350 would pay approximately \$8,551 in property taxes.

A difference of \$361 a year less for the residential average single family homeowner.

Please note this is one of many scenarios the Board will have to choose from. The effects of the different shifts to the residential, commercial, industrial and personal property are shown throughout this document.

The Minimum Residential Factor, (MRF) established by the Commissioner of Revenue, is used to make certain that the shift of the tax burden complies with the law. If the MRF would be less than .65, the community cannot make the maximum shift and must use a CIP factor less than 1.50. Please see the LA7 Form for minimum factor.

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SHIFTING THE TAX RATE Fiscal Year 2022

CALCULATION OF THE MINIMUM RESIDENTIAL FACTOR - 150% Shift (formerly shown on the LA-7)

ne Minimum Residential Factor is used to make sure the shift of the tax burden complies with the law (M.G.L. c. 58, § 1A). Residential and Open Space xpayers must pay at least 65% of their full and fair cash value share of the levy. Commercial/Industrial/Personal Property taxpayers cannot pay more than 18 their full and fair cash value share of the levy. If the calculated Minimum Residential Factor is less than 65%, a community cannot make the maximum shift a ust use a Commercial/Industrial/Personal Property factor less than 150%.

В	C	D
Full and Fair Cash Valuation	Percentage Share	Combined Res/OS, CIP
4,786,613,496	87.1160%	87.116
0	0.0000%	
304,305,770	5.5383%	12.884
211,028,034	3.8407%	
192,581,620	3.5050%	
5,494,528,920	100.0000%	
	Full and Fair Cash Valuation 4,786,613,496 0 304,305,770 211,028,034 192,581,620	Full and Fair Cash Valuation 4,786,613,496 0 0.0000% 304,305,770 5.5383% 211,028,034 192,581,620 3.5050%

ne "Percentage Share" is based on the "Full and Fair Cash Valuation" of each class, which is affected by the level of assessment for each class. ne level of assessment can range between 90% and 110%. This alone can cause a shift if the level of assessment for Residential and pen Space is different than the level of assessment for Commercial, Industrial and Personal Property.

aximum Share of Levy for Commercial/Industrial/Personal Property: 150% * 12.8840% (Lines 3C + 4C + 5C) = 19.3260% (Max % Share)

nis calculation shows the maximum % share of the levy allowed for the full and fair cash value of the combined Commercial, Industrial and Personal Property asses (150% of the combined shares.) NOTE: Shift impact is reduced as the Max % Share decreases.

inimum Share of Levy for Residential and Open Space: 100% - 19.3260% (Max % Share) = 80.6740% (Min % Share)

nis calculation shows the minimum % share of the levy allowed for the full and fair cash value of the combined Residential and Open Space Property classes nis is computed by subtracting the Maximum Share for Industrial/Commercial/Personal Property from 100%.

inimum Residential Factor (MRF): 80.6740% (Min % Share) / 87.1160% (Lines 1C + 2C) = 92.6053% (Minimum Residential Factor)

nis calculates the Minimum Residential Factor: divide the minimum % share for Residential and Open Space by the actual % share for Residential and Open space.

INIMUM RESIDENTIAL FACTOR: 92.6053% Chapter 58, Section 1A mandates a minimum residential factor of not less than 65 percent

'hen the Minimum Residential Factor is multiplied by % share of the Residential and Open space full and fair cash value, it reduces the Residential and Open space share to its Minimum % Share of the Levy as calculated above.

ASSACHUSETTS DEPARTMENT OF REVENUE VISION OF LOCAL SERVICES JREAU OF LOCAL ASSESSMENT

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	TOWN	3/71

SHIFTING THE TAX RATE

Fiscal Year 2022

CALCULATION OF THE LOWEST POSSIBLE RESIDENTIAL FACTOR - 175% Shift (Chapter 200)

apter 200 of the Acts of 1988 amended M.G.L. c. 58, § 1A to allow cities and towns to give Residential and Open Space property taxpayers greater tax relief to pting a shift of the property tax burden from Residential and Open Space taxpayers to the Commercial, Industrial and Personal Property taxpayers, provided tain parameters are not exceeded. Chapter 200 allows a shift of up to 75% (also known as a 175% shift) and lowers the percentage that Residential and Open ace taxpayers must raise to 50%. By expanding the shift, the tax levy on Commercial, Industrial and Personal Property taxpayers increases and the tax Levy or sidential and Open Space taxpayers decreases.

e first Section (Steps 1, 2 & 3) determines whether Residential taxpayers would raise a greater percentage of the property tax levy this fiscal year than they sed last fiscal year, if the town voted the existing law's maximum shift of 150% onto Commercial/Industrial/Personal Property taxpayers.

Last year's chosen RESIDENTIAL percentage* (Residential only, does not include Open Space) is is last year's chosen residential percentage (RES%), not including Open Space, from form LA-5 (under the "SHIFT RENTS" section). (Note: The residential share in the fiscal year prior to a community's first property value riffication may be used if the assessors can document that it was lower than the prior year's LA5 RES%.)

83.6388°

This year's Minimum Residential Factor using a 150% shift to CIP (from LA-7). is is the "Minimum Residential Factor (MRF)" calculation in Section I above.

92.6053

Minimum residential share (R) in current year using 150% Shift to CIP.

32.0000

is is the "Minimum Share of Levy for Residential and Open Space" calculation in Section I above.

80.6740

1 is greater than #3, STOP!

may shift only up to 150% to Commercial/Industrial/Personal Property, and line #2 remains your Minimum Residential Factor. You must stop here, because tinuing would cause the Residential taxpayers to pay more this year than they did last year.

3 is greater than #1, go on., continue the shift calculations. Steps 7, 8 and 9 determine whether or not Residential & Open Space taxpayers would raise a aller percentage of the property tax levy this fiscal year than they have ever raised since the community's first certification of values, assuming the town voted % shift onto Commercial/Industrial/Personal Property taxpayers as allowed by Chapter 200.

Calculate a Residential Factor using a 175% shift to CIP.

s Residential Factor is the result of repeating the calculations in Steps 1 through 3 above using a shift of 175% tead of 150%.

Multiply this new Residential Factor by this year's residential percentage.

s calculation multiplies the factor in step 4 above by the combined Residential/Open Space % Share from the grid at top.

What is the Lowest Historical Residential Percentage since the first certification. s is the "Historic Low %" shown on the LA-5 Options & Certification form.

is greater than #6, STOP!

may shift up to 175% to the Commercial/Industrial/Personal Property taxpayers and step 4 is the Lowest Residential Factor.

is greater than #5, go on.

section determines the maximum shift allowed by law, and the lowest residential factor allowable to achieve the maximum shift. These calculations will not ear if the 175% shift is not allowed according to the calculations above (If #5 is greater than #6).

Take the lowest historical residential percentage (6 above).

residential share in the year before first certification may be used if assessors document it was lower.

Divide 7A by the current combined residential/open space percentage share (Residential & Open Space % n the grid above).

The result is the lowest residential factor allowable (it may not be less than 50%).

Multiply the factor from 7C by the Percent Share of the Residential & Open Space classes (from the grid ve.)

; creates the new Minimum Residential & Open Space share,

Subtract the new combined Residential & Open Space share from 100 to compute the new Maximum nmercial / Industrial / Personal Property percentage share.

Divide this new Maximum % Share for Commercial/Industrial/Personal Property. By the Commercial/Industrial/Personal Property percent share (from the grid above).

To determine the Maximum percentage of shift allowed.

maximum percentage of shift allowed may not be more than 175%

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The Effect of the Shift on the Classes of Properties

Without a Shift There Would Be a Single Tax Rate of \$15.07

		With 1.275 Shift	Without	Shift	
Average Single Family Assessment	\$591,350	\$8,551	\$8,912	more	\$361
Average Commercial Assessment	\$1,146,436	\$22,035	\$17,277	less	\$4,758
Average Industrial Assessment	\$893,373	\$17,171	\$13,463	less	\$3,708

With the Current Shift Average Single Family Saves \$361

Percentage of Levy Before & After The Shift

	Valuations	No Shift @ 1.00	Levy @ 1.275 Shift
A	В	C	D
Class	Certified Full and Fair Cash Value Assessments	Percentage Full Value Shares of Total Tax Levy	New Percentage Shares of Total Tax Levy
1. Residential	4,786,613,496	87.12%	83.57%
2. Open Space	0	0.00%	0.00%
3. Commercial	304,305,770	5.54%	7.06%
4. Industrial	211,028,034	3.84%	4.90%
5. Personal Property	192,581,620	3.50%	4.47%
Totals	5,494,528,920	100%	100%

Tax Levy Limitation or What is Proposition 2 ½

The FY 2022 Maximum Allowable Levy is \$82,826,509 Tax Dollars One of the most common misconceptions about property taxes among taxpayers is proposition 2 ½. Most people believe that proposition 2 ½ limits the increase in their individual property taxes by only 2 ½ % from the previous year. When in fact proposition 2 ½ limits the amount of total property taxes a community may raise from year to year by 2 ½. Proposition 2 ½ does allow exceptions in the form of new growth and overrides. The maximum amount of property taxes that can be raised each year is known as the Levy Limit. The Levy Ceiling is the maximum the Levy Limit can be. The ceiling equals 2.5% of the Town's full and fair cash value. This year the ceiling is \$137,362,846

New Growth...A community is able to increase its levy limit each year to reflect new development and other growth in the tax base that is **not** the result of revaluation. New Growth for FY 2022 is at \$1,582,097.

Overrides...A community can increase its levy limit by successfully voting a debt exclusion or capital outlay expenditure exclusion or operating exclusion. Total Debt Exclusion for FY 2022 is \$1,076,919 voted from prior years.

In summary, the levy limit can increase from year to year in these ways: automatic 2 ½ percent increase, new growth and overrides.



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Levy Limit Fiscal Year 2022

	FO	R BUDGET PLANNING PU	RPOSES	
I. TO	CALCULATE THE FY 2021 LEVY LIMIT			
A.	FY 2020 Levy Limit		74,507,681	
A1.	Amended FY 2020 Growth		0	
B.	ADD (IA + IA1)*2.5%		1,862,692	
C.	ADD FY 2021 New Growth		1,841,815	
C1.	. ADD FY 2021 New Growth Adjustment		0	
D.	ADD FY 2021 Override		0	
E.	FY 2021 Subtotal		78,212,188	
F.	FY 2021 Levy Ceiling		128,207,692 I.	78,212,188
				FY 2021 Levy Limit
II. TO	CALCULATE THE FY 2022 LEVY LIMIT			•
A.	FY 2021 Levy Limit from I		78,212,188	
A1.	Amended FY 2021 Growth		0	
В.	ADD (IIA + IIA1)*2.5%		1,955,305	
C.	ADD FY 2022 New Growth		1,582,097	
C1.	. ADD FY 2022 New Growth Adjustment		0	
D.	ADD FY 2022 Override		0	
E.	ADD FY 2022 Subtotal		81,749,590	
F.	FY 2022 Levy Ceiling		137,362,846 II.	81,749,590
			,	FY 2022 Levy Limit
II. TO	CALCULATE THE FY 2022 MAXIMUM ALLOWABLE	LEVY		
A.	FY 2022 Levy Limit from II.		81,749,590	
В.	FY 2022 Debt Exclusion(s)		1,076,919	
C.	FY 2022 Capital Expenditure Exclusion(s)		0	
D.	FY 2022 Stabilization Fund Override		0	
E.	FY 2022 Other Adjustment :		0	
F.	FY 2022 Water/Sewer		0	
G.	FY 2022 Maximum Allowable Levy		82,826,509	
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		Documents		

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Schedule DE-1

Debt Exclusion - Fiscal Year 2022

<u>Q</u>
original Temp Net Excluded issuance or Debt Service note/bond Perm per (T/P)
purpose(s) 06/01/2010 P 4.6.05
- (
Ф.
11/01/2004 P 379,600
11/01/2004 P 29,656
11/01/2005 P 271,562
Total: 1,109,631

REIMBURSEMENTS: School Building Assistance, Library Construction Grants etc.

ADJUSTMENTS: Prior year interest not included, rate or term different than estimate

Signatures

Financial Officer

Jodi Cuneo, Town Accountant, Walpole, jcuneo@walpole-ma.gov 508-660-7318 | 10/13/2021 1:30 PM

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Documents



New Growth for FY 2022

(Determining Annual Levy Limit Increase for Tax Base Growth)

Proposition 2½ provides a city or town with annual increases in their levy limits of 2.5 percent & any additional amount based on the valuation of certain new construction and other allowable growth in the tax base that is not the result of property revaluation. (New Growth)

Qualifying Tax Base Growth

- 1. Subject to taxation for the first time.
- 2. Being taxed as a separate parcel for the first time.
- 3. Has increased in assessed valuation over the prior year so long as the increase is not due to a revaluation program.

New Growth for FY 2022 resulted in \$1,562,097 of additional tax revenue.

The following is a breakdown of the New Growth for FY 2022 in Walpole:

Residential Properties accounted for \$72,154,500 in value or \$1,070,773 tax dollars

Single Family Homes	\$22,477,900	or	\$333,572	tax dollars
Condominiums	\$24,767,700		\$367,553	tax dollars
2 & 3 Family Homes	\$836,600		\$12,415	tax dollars
Apartments	\$22,454,900	or	\$333,231	tax dollars
Vacant Land	\$1,171,100	or	\$17,379	tax dollars

Commercial & Industrial Properties accounted for \$2,490,100 assessed value or \$49,105 tax dollars.

Personal Property accounted for \$23,439,100 assessed value or \$462,219 tax dollars.

Note: Personal Property new growth: Eversource, accounted for \$15,435,080 of the \$23,439,100, or 65.85% of the Personal Property new growth in FY 2022.

Residential Properties account for <u>67.68% of New Growth</u>.

Commercial, Industrial and Personal Property account for <u>33.32% of New Growth</u>.

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LA13 Tax Base Levy Growth

Retain documentation for 5 years in case of DOR audit - Fiscal Year 2022

Property Class	(A)	(B)	(0)	(D)	(E)
	No.		New Growth Valuation	PY Tax Rate	Tax Levy Growth
RESIDENTIAL					
SINGLE FAMILY (101)	4	000	200		
CONDOMINITM (102)		001,800	22,477,900		
	2	70,900	24,767,700		
IWO & IHREE FAMILY (104 & 105)	-	112,100	836,600		
MULTI - FAMILY (111-125)	0	C	22 454 900		
VACANT LAND (130-132 & 106)	•		25,101,000		
ALL OTHERS (403, 400, 043, 048)	٥	454,200	1,171,100		
ALL OTHERS (103, 103, 012-018)	0	0	446,300		
TOTAL RESIDENTIAL	28	1,299,000	72.154.500	14.84	4 070 77
OPEN SPACE	O	C		to:	11,010,1
OPEN SPACE - CHAPTER 61, 61A, 61B					
TOTAL OPEN SPACE			0		
	0	0	0	0.00	
COMINERCIAL	0	0	444.300		
COMMERCIAL - CHAPTER 61, 61A, 61B	0	C			
TOTAL COMMERCIAL	0		000 111		
INDUSTRIAL			444,500	19.72	8,76
PERSONAL BROBEDTY		0	2,045,800	19.72	40,343
LINGUIAL TROPERT	0	0	23,439,100	19.72	462 216
TOTAL REAL & PERSONAL	28	1,299,000	98,083,700		1 582 002
					1,00,400,1

Community Comments:

JEW GROWTH FY 2022 SAW THE ADDITION OF 102 CONDOMINIUMS. 100 UNITS ARE FROM PENNINGTON PLACE, A 4 BUILDING 186 UNITS DEVELPOMENT FOR FY 22 TWO BUILDING 50 UNITS SACH WERE COMPLETED. THE MULTI-FAMILY (111-125) SAW THE COMPLETION OF TWO APARTMENT COMPLEXES: COMMONS AT WALPOLE STATION 192 MARKET RENTAL UNITS AND JERRTY STATTION 152 MARKET RENTAL UNITS. PERSONAL PROPERTY SAW NSTAR EVERSOURCE WITH 15,436,080 OF THE 23,439,140 OR 66%OF THE NEW GROWTH IN PERSONAL

Signatures No signatures to display.



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NOTE: The information is preliminary and is subject to change.

Documents

What If.....Scenario Worksheet

Tax Rates at Difference Shifts How to use the Option Table

As Shown on the Next Page

The Option Table (Scenario Worksheet) provides different scenarios for different tax rates based on the CIP Shift Percentages.

Column CIP Shift

Shows the percentage you wish to shift (current shift is 1.275%)

Column Residential Factor

Once you decided on a Shift, this column will give you the corresponding Residential Factor.

This factor is what you will be voting tonight.

Column Estimated Tax Rates

By deciding on a shift you get the related residential factor and the estimated tax rates for the residential, commercial, industrial and personal properties, as shown on the far right of the worksheet.

Scenario for FY 2022 What if.....

Walpole Current FY 2021 CIP Shift is 1.275

CLASS	VALUE	% of Value	Residential
Residential	4,786,612,789	83.5729	83.5729%
Open Space	0	0.0000	
Commercial	304,300,970	7.0614	
Industrial	211,018,441	4.8969	4.8969 Comm/Ind/Personal
Personal Property	192,581,620	4.4688	16.4271%
Total	5,494,513,820	100	100%

Estimated Levy	82,826,509
Single Tax Rate	15.07

Note: This table should be used for planning purposes only. Actual calculations may differ slightly due to rounding. For actual calculations, see Recap

ersonal						, j															
Comm/Ind/Personal	15.07	15.22	15.38	15.53	15.68	15.83	15.98	16.13	16.28	16.43	16.58	16.73	16.88	17.03	17.18	17.34	17.49	17.64	17.79	17.94	18.09
Com																					
Residential	15.07	15.05	15.03	15.01	14.99	14.96	14.94	14.92	14.90	14.87	14.85	14.83	14.81	14.78	14.76	14.74	14.72	14.70	14.67	14.65	14.63
Resi	11	T	1.5	15	17	17	17	17	17	17	14	14	14	14	14	14	14	14	14	14	14
	90	60	60	60	99	99	60	60	99	6(80	80	80	80	80	80	80	80	80	8	80
Levy	82,826,509	82,826,509	82,826,509	82,826,509	82,826,509	82,826,509	82,826,509	82,826,509	82,826,509	82,826,509	82,826,508	82,826,508	82,826,508	82,826,508	82,826,508	82,826,508	82,826,508	82,826,508	82,826,508	82,826,508	82,826,508
	8	∞	80	80	80	∞	8	8	8	8	8	8	8	8	88	88	8	8	8	82	8
G-I-P	12.8840	13.0128	13.1417	13.2705	13.3994	13.5282	13.6570	13.7859	13.9147	14.0436	14.1724	4.3012	14.4301	4.5589	[4.6878	166	14.9454	5.0743	5.2031	5.3320	809
강	12.8	13.0	13.1	13.2	13.3	13.5	13.6	13.7	13.9	14.0	14.1	14.3	14.4	14.5	14.6	14.8166	14.9	15.0	15.2	15.3	15.4608
Res SP	87.1160	86.9872	86.8583	86.7295	86.6006	86.4718	86.3430	86.2141	86.0853	85.9564	85.8276	82.6988	85.5699	85.4411	85.3122	85.1834	85.0546	84.9257	84.7969	84.6680	84.5392
	8	8	8	8	86	86	86	86	86	8	8	8	8	8	8	8	8	84	84	84	84
tor	0	ις	0	.0	1	.0	7	.0	~ !	_	01	_	~	~	••		••				
Res Factor	1.0000	0.9985	0.9970	0.9956	0.9941	0.9926	0.9911	0.9896	0.9882	0.9867	0.9852	0.9837	0.9823	0.9808	0.9793	0.9778	0.9763	0.9749	0.9734	0.9719	0.9704
CIP Shift	1.0000	1.0100	1.0200	1.0300	1.0400	1.0500	009	1.0700	1.0800	1.0900	1.1000	100	1.1200	1.1300	400	1.1500	1.1600	1.1700	1.1800	.1900	2000
CIP	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1.	1.1	1.1,	1.1	1.1	1.1.	1.18	1.19	1.2(

	18.24	18 39	000	18.54	18.54	18.54 18.69 18.77	18.54 18.77 18.84	18.54 18.69 18.77 18.84	18.54 18.77 18.84 18.92 18.99	18.54 18.69 18.77 18.84 18.99 19.07	18.54 18.69 18.77 18.92 18.99 19.07	18.54 18.69 18.77 18.92 18.99 19.07	18.54 18.69 18.77 18.84 18.92 19.07 19.14	18.54 18.69 18.77 18.84 18.99 19.07 19.14 19.22 19.30	18.54 18.69 18.77 18.92 19.07 19.14 19.37 19.37	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.30 19.45 19.45	18.54 18.69 18.77 18.92 19.07 19.14 19.30 19.37 19.52	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.30 19.37 19.52 19.50 19.75	18.54 18.69 18.77 18.92 19.07 19.30 19.37 19.52 19.52 19.52 19.52	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.52 19.52 19.50 19.75	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.30 19.37 19.45 19.52 19.60 19.75 19.90 20.05	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.52 19.52 19.60 19.75 19.75 19.00 20.00 20.20	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.52 19.52 19.52 19.52 19.52 19.50 20.05 20.05 20.35	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.37 19.52 19.60 19.75 19.90 20.05 20.20 20.20 20.50	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.30 19.37 19.45 19.52 19.60 19.75 19.90 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.37 19.52 19.60 19.75 19.75 19.90 20.05 20.05 20.05 20.05 20.05 20.05 20.05	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.30 19.30 19.52 19.60 19.75 19.60 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.37 19.45 19.52 19.60 19.75 19.90 20.05 20	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.37 19.45 19.52 19.60 19.75 19.75 19.90 20.05 20	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.52 19.52 19.60 19.52 19.60 19.52 19.60 20.05 20	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.30 19.30 19.45 19.45 19.52 19.60 19.75 19.90 20.05 20	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.37 19.45 19.52 19.60 19.75 19.75 19.75 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.10 21.25 21.25 21.25 21.25	18.54 18.69 18.92 19.07 19.14 19.52 19.37 19.45 19.60 19.50 20.05 20	18.54 18.69 18.92 18.92 19.07 19.14 19.30 19.37 19.45 19.60 19.52 20.05 20	18.54 18.69 18.92 19.07 19.14 19.37 19.30 19.30 19.52 19.60 19.60 19.52 19.60 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.10 21.25 21.25 21.26 21.26 21.26 21.26 21.26 21.27 21.26 21.26 22.01	18.54 18.69 18.77 18.84 18.92 19.07 19.14 19.37 19.30 19.37 19.45 19.45 19.52 19.60 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.05 20.10 21.71 21.86 22.01 22.31
	14.61	14.58		14.56	14.56 14.54	14.56 14.54 14.53	14.56 14.54 14.53 14.52	14.56 14.54 14.53 14.52	14.56 14.54 14.53 14.51 14.51	14.56 14.54 14.53 14.52 14.49 14.48	14.56 14.54 14.53 14.51 14.49 14.48	14.56 14.54 14.53 14.52 14.49 14.48 14.47	14.56 14.54 14.53 14.52 14.49 14.48 14.48 14.45	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.45	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.45 14.45 14.44	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.45 14.45 14.44 14.42	14.56 14.54 14.53 14.52 14.49 14.48 14.45 14.45 14.45 14.45 14.42 14.42	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.45 14.44 14.43 14.42 14.42 14.43	14.56 14.54 14.53 14.52 14.49 14.47 14.45 14.45 14.45 14.43 14.42 14.43 14.38	14.56 14.54 14.53 14.52 14.49 14.47 14.45 14.44 14.42 14.42 14.43 14.43 14.36 14.36	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.45 14.44 14.42 14.42 14.38 14.36 14.36 14.37	14.56 14.54 14.53 14.52 14.49 14.47 14.45 14.44 14.42 14.42 14.42 14.43 14.43 14.38 14.36 14.36 14.36	14.56 14.54 14.53 14.52 14.48 14.47 14.45 14.44 14.42 14.42 14.41 14.38 14.36 14.36 14.36 14.36 14.36 14.37	14.56 14.54 14.53 14.52 14.49 14.47 14.45 14.45 14.42 14.43 14.41 14.38 14.36 14.36 14.36 14.37 14.29 14.27	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.45 14.44 14.42 14.42 14.41 14.38 14.36 14.36 14.36 14.36 14.37 14.29 14.29 14.27	14.56 14.54 14.53 14.52 14.49 14.44 14.44 14.42 14.42 14.43 14.42 14.36 14.36 14.36 14.37 14.37 14.29 14.27 14.25 14.23	14.56 14.54 14.53 14.52 14.49 14.44 14.45 14.45 14.45 14.41 14.38 14.34 14.36 14.37 14.29 14.27 14.29 14.27	14.56 14.54 14.53 14.52 14.49 14.44 14.45 14.44 14.42 14.43 14.34 14.32 14.29 14.27 14.25 14.20 14.16	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.45 14.44 14.42 14.42 14.42 14.42 14.42 14.42 14.29 14.29 14.27 14.29 14.27 14.29 14.27 14.29 14.26 14.21	14.56 14.54 14.53 14.52 14.48 14.49 14.44 14.42 14.42 14.43 14.43 14.38 14.36 14.36 14.36 14.36 14.36 14.37 14.29 14.25 14.29 14.27 14.29 14.27 14.29 14.21	14.56 14.54 14.53 14.52 14.49 14.44 14.45 14.45 14.45 14.42 14.43 14.43 14.34 14.36 14.36 14.37 14.29 14.29 14.29 14.29 14.20 14.21 14.18 14.18 14.16 14.16	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.44 14.42 14.42 14.43 14.42 14.43 14.29 14.29 14.29 14.25 14.29 14.20 14.18 14.16 14.16 14.16 14.16 14.16	14.56 14.54 14.53 14.52 14.49 14.48 14.47 14.42 14.44 14.43 14.43 14.43 14.29 14.29 14.25 14.29 14.25 14.29 14.26 14.29 14.20 14.18 14.10 14.10 14.10	14.56 14.54 14.53 14.52 14.49 14.44 14.45 14.45 14.45 14.44 14.41 14.38 14.43 14.34 14.34 14.32 14.29 14.29 14.29 14.29 14.20 14.14 14.14 14.14 14.10 14.07 14.05	14.56 14.54 14.53 14.52 14.49 14.49 14.45 14.45 14.44 14.42 14.42 14.43 14.42 14.34 14.32 14.29 14.27 14.25 14.20 14.16 14.16 14.10 14.09 14.03 14.03 14.03	14.56 14.54 14.53 14.52 14.48 14.49 14.44 14.45 14.44 14.42 14.43 14.43 14.29 14.29 14.25 14.29 14.25 14.29 14.20 14.18 14.09 14.07 14.03 14.03 13.98
14.61		14.58	14.56		14.54	14.54 14.53	14.54 14.53 14.52	14.54 14.53 14.52 14.51	14.54 14.53 14.52 14.51	14.54 14.53 14.52 14.51 14.49	14.54 14.53 14.52 14.51 14.49 14.48																				100 × 0000 \$100 0000 0000 0000 0000 0000				18. A BESS (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
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82,826,508 82,826,508 82,826,508	82,826,508 82,826,508	82,826,508		82,826,508	82,826,508		82,826,508	82,826,508 82,826,508	82,826,508 82,826,508 82,826,508	82,826,508 82,826,508 82,826,508 82,826,508	82,826,508 82,826,508 82,826,508 82,826,508 82,826,508	82,826,508 82,826,508 82,826,508 82,826,508 82,826,508	82,826,508 82,826,508 82,826,508 82,826,508 82,826,508 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507	82,826,508 82,826,508 82,826,508 82,826,508 82,826,507
5.5896 5.7185 5.8473	5.7185 5.8473	5.8473		15.9762	6.0406	1050	0.1000	5.1694 6.1694	5.1694 6.2338	5.1694 5.2338 5.2983	5.1694 5.2338 5.2983 5.3627																									2 4 8 8 7 7 5 6 4 8 7 0 6 7 9 4 7 1 6 8 10 1 8 10 10 10 10 10 10 10 10 10 10 10 10 10
15.5896 15.7185 15.8473	15.7185 15.8473	15.8473	15 0767	13.31.02	16.0406	16.1050		16.1694	16.1694 16.2338	16.1694 16.2338 16.2983	16.1694 16.2338 16.2983 16.3627	16.1694 16.2338 16.2983 16.3627	16.1694 16.2338 16.2983 16.3627 16.4271 16.4915	16.1694 16.2338 16.2983 16.3627 16.4271 16.4915 16.5559	16.1694 16.2338 16.2983 16.3627 16.4271 16.4915 16.5559	16.1694 16.2338 16.2983 16.3627 16.4215 16.4915 16.5559 16.6204	16.1694 16.2338 16.2983 16.3627 16.4271 16.4915 16.5559 16.6244 16.6848	16.1694 16.2338 16.2983 16.4271 16.4915 16.5559 16.6204 16.6204 16.6848 16.7492	16.1694 16.2338 16.2983 16.3627 16.4271 16.4915 16.5559 16.6204 16.6848 16.7492 16.8780 17.0069	16.1694 16.2338 16.2983 16.3627 16.4215 16.4915 16.6204 16.6848 16.7492 16.8780 17.10069	16.1694 16.2338 16.2983 16.3627 16.4271 16.4915 16.6204 16.6848 16.7492 16.8780 17.0069 17.1357	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6848 16.7492 16.8780 17.1357 17.1357 17.3934	16.1694 16.2338 16.2983 16.3627 16.4915 16.5559 16.6204 16.6848 16.7492 16.8780 17.0069 17.1357 17.3934 17.5222	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6204 16.6848 16.7492 16.7492 17.792 17.3934 17.3934 17.5222	16.1694 16.2338 16.2933 16.3627 16.4915 16.6204 16.6848 16.7492 16.8780 17.0069 17.1357 17.2646 17.3934 17.5222	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6848 16.7492 16.7492 17.0069 17.1357 17.2646 17.3934 17.5222 17.5088	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6204 16.6848 16.7492 17.7069 17.1357 17.2646 17.3334 17.5222 17.5222 17.6511 17.6511 17.6511	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6204 16.6848 16.7492 17.0069 17.1357 17.2646 17.3934 17.5222 17.5088 17.5088 17.9088 18.0376	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6848 16.7492 16.8780 17.0069 17.1357 17.2646 17.3934 17.5222 17.5511 17.5511 17.5222 17.6511 17.5222 17.6511 17.898 18.0376 18.0376	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6204 16.6848 16.7492 16.8780 17.0069 17.1357 17.2934 17.5222 17.5222 17.5222 17.6511 17.5222 17.6511 17.6511 17.8934 17.8934 17.8934 17.8934 17.89376 18.0376 18.2953	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6204 16.6848 16.7492 17.0069 17.0069 17.1357 17.2646 17.3934 17.5222 17.6511 17.5222 17.6511 17.9088 18.0376 18.1664 18.2953 18.2530	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6848 16.7492 16.7492 17.0069 17.1357 17.2646 17.3934 17.5222 17.5511 17.5511 17.5222 17.6511 17.7799 17.9088 18.0376 18.0376 18.0376 18.2953 18.2953 18.4241	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6848 16.7492 16.8780 17.0069 17.1357 17.2646 17.3934 17.522 17.5511 17.5521 17.5521 17.5521 17.6511 17.799 17.9088 18.0376 18.0376 18.2953 18.2953 18.2953 18.2953	16.1694 16.2338 16.2933 16.2983 16.4915 16.6204 16.6204 16.6848 16.7492 16.8780 17.0069 17.1357 17.2646 17.3934 17.5222 17.5222 17.5222 17.5222 17.6511 17.5222 17.6511 17.89336 18.2953 18.2953 18.530 18.530 18.530	16.1694 16.2338 16.2983 16.3627 16.4915 16.6204 16.6204 16.6204 16.6204 17.0069 17.1357 17.2646 17.3934 17.5222 17.5222 17.5211 17.5222 17.5223 17.5223 17.5231 18.0376 18.0376 18.2953 18.2953 18.2953 18.6818 18.6818 18.6818	16.1694 16.2338 16.2983 16.2983 16.3627 16.4915 16.6204 16.6204 16.6204 16.8780 17.0069 17.1357 17.2522 17.5222 17.5221 17.5222 17.5222 17.6511 17.799 17.9088 18.0376 18.2953 18.2953 18.2953 18.6818 18.5530 18.6818 18.6818 18.6818 18.68395 19.0683
+.4104 4.2815 4.1527 4.0238	1.2815 1.1527 1.0238	1.1527 1.0238	1.0238		3.9594	3.8950	308		.7662	.7662	7662 7017 6373	7662 7017 6373	7662 7017 6373 5729	7662 7017 6373 .5729 5085	7662 7017 6373 .5729 5085 4441	.7662 .7017 .6373 .5729 .5085 .4441 .3796	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3796 .3152 .2508 .1220 .9931	5.7662 5.7017 5.6373 5.6373 5.5085 4441 3.3796 3.3152 2.5508 1.1220 9931 8643	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066 .4778	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066 .4778	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066 .4778	.7662 .7017 .6373 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066 .4778 .3489 .2201 .9912	5.7662 5.7017 5.6373 5.729 5.855 5.4441 3.3796 3.3152 2.508 1220 9931 8643 7354 6066 4778 3489 2201 9912 9624	3.7662 3.7017 3.6373 5.729 5.5085 3.3152 2.508 3.3152 2.208 3.489 2.201 9624 8336	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3796 .3152 .2508 .1220 .9931 .8643 .7354 6066 4778 .3489 .2201 0912 9624 8336	.7662 .7017 .6373 .5373 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066 .4778 .3489 .2201 .9912 .9624 .8336 .7047	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066 .4778 .3489 .2201 .9624 .8336 .7047 .7047	.7662 .7017 .6373 .5373 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 6066 4778 .3489 2201 0912 9624 8336 7047	3.7662 3.7017 3.6373 5.729 5.5085 3.4441 3.3152 2.2508 1.1220 9931 8643 7.354 6066 4.778 3.489 2.201 0912 9624 8336 7047 5759 4470	.7662 .7017 .6373 .5729 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 .6066 .4778 .3489 .2201 .9624 .8336 .7047 .7047 .5759 .4470	.7662 .7017 .6373 .5373 .5085 .4441 .3796 .3152 .2508 .1220 .9931 .8643 .7354 6066 4778 3489 2201 0912 9624 8336 7047 5759 4470
84.2815 84.1527 84.0238					83.9594	83.8950	83.8306	83.7662		83.7017	83.7017	83.7017 83.6373 83.5729	83.7017 83.6373 83.5729 83.5085	83.7017 83.6373 83.5729 83.5085 83.4441	83.7017 83.6373 83.5729 83.5085 83.4441	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796	83.7017 83.6373 83.5085 83.4441 83.3796 83.3152 83.2508	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.2508	83.7017 83.6373 83.5085 83.4441 83.3796 83.3796 83.3508 83.2508	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.2508 83.1220 83.2508 83.2508	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.37508 83.2508 83.1220 82.9931 82.8643	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.152 83.2508 83.1220 82.9931 82.8643 82.8643	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.3152 83.2508 83.1220 82.9331 82.8643 82.7354 82.6066	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.1220 82.9931 82.8643 82.8643 82.7354 82.7354 82.7354 82.7354	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.1520 82.9931 82.8643 82.7354 82.7354 82.7354 82.7354	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.2508 83.1220 82.9931 82.8643 82.8643 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.3152 82.9931 82.8643 82.9931 82.8643 82.7354 82.7354 82.7354 82.7354 82.7354	83.7017 83.6373 83.6373 83.4441 83.3796 83.3796 83.1220 82.9931 82.8643 82.8643 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.2508 83.1220 82.9931 82.8643 82.6066 82.7354 82.6066 82.7354 82.6066 82.7354 82.6066 82.7354 82.6066 82.7354 82.6066 82.7354	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3796 83.1520 82.9931 82.8643 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354	83.7017 83.6373 83.5729 83.5085 83.4441 83.3152 83.3152 83.2508 83.1220 82.9931 82.8643 82.8643 82.7354 82.6066 82.4778 82.2201 82.3489 82.3489 82.3489 82.3489 82.3489 82.3489 82.3489 82.3489	83.7017 83.6373 83.6373 83.5085 83.4441 83.3796 83.2508 83.1220 82.9931 82.8643 82.6066 82.7354 82.6066 82.7354 82.6066 82.7354 82.6066 82.7354 82.6066 82.7354 82.6066 82.7478 82.6066 82.7478 82.7478 82.7478 82.759	83.7017 83.6373 83.5729 83.5085 83.4441 83.3796 83.3152 82.9931 82.8643 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7354 82.7478 82.201 81.9624 81.8336 81.5759 81.5759	83.7017 83.6373 83.6373 83.5085 83.4441 83.3796 83.3796 83.3152 82.9931 82.8643 82.9931 82.8643 82.7354 82.0912 82.2201 82.0912 81.8336 81.5759 81.5759 81.8336 81.64470 81.8336	83.7017 83.6373 83.6373 83.5085 83.4441 83.3796 83.3152 82.9931 82.8643 82.9931 82.8643 82.7354 82.6066 82.7354 82.0912 82.0912 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624 81.9624	83.7017 83.6373 83.6373 83.5085 83.4441 83.3796 83.3796 83.3152 82.9931 82.8643 82.7354 82.7354 82.7354 82.0912 81.9624 81.8336 81.9624 81.8336 81.8336 81.8336 81.8336 81.8336 81.8336 81.8336
1675 1660 1645	1675 1660 1645	660	645	1111	638	630	623	615	809		601	601 593	601 593 586	601 593 586 578	601 5 593 586 578 571	601 593 586 578 571 564	601 593 578 571 571 564	601 593 586 578 571 564 556	601 593 578 571 574 554 556	593 586 578 571 571 554 556 527	593 586 578 571 571 554 556 527 527	593 586 578 571 571 554 556 527 512 197	593 586 578 571 571 554 554 532 527 497 482	601 5593 578 578 571 554 556 527 527 612 612 682 683	601 5593 578 571 571 556 542 527 527 512 197 182 168	601 5593 578 578 571 571 556 542 527 512 497 482 482 482 483 483 538	5593 586 578 571 554 554 532 527 512 512 512 527 527 527 527 523 688 538 537 537 537 537 537 537 537 537 537 537	5593 586 578 578 571 554 542 535 537 537 537 537 537 538 538 538 538 538 538 538 538 538 538	601 5593 578 578 571 554 542 535 537 537 537 537 68 68 68 537 537 537 537 537 537 537 537 537 537	5593 5586 571 571 5564 5564 5564 5327 5327 5327 532 532 532 532 532 532 532 532 532 532	5593 586 578 578 571 554 554 542 527 527 527 527 527 527 527 523 527 527 527 527 527 527 527 527 527 527	5593 586 578 578 571 571 556 542 537 537 537 537 537 68 68 64 64	5593 586 578 571 564 542 535 537 537 537 537 537 537 537 537 64 64 64 49	5593 586 578 578 571 554 554 554 554 527 512 512 527 527 527 527 527 527 527 527 527 52	5593 586 578 578 571 571 556 542 537 537 537 537 64 64 64 49 64 49 66	5593 586 578 578 571 554 542 535 537 197 197 197 197 198 138 23 49 49 64 49 50 50
0.9675 0.9660 0.9645	0.9675 0.9660 0.9645	0.9660	0.9645		0.9638	0.9630	0.9623	0.9615	0.9608	0.9601	Constant, The second	0.9593	0.959 3	0.9593 0.9586 0.9578	0.9596 0.9586 0.9578 0.9571	0.9593 0.9586 0.9578 0.9571 0.9564	0.9595 0.9586 0.9578 0.9571 0.9564	0.9595 0.9586 0.9571 0.9564 0.9566 0.9566	0.9596 0.9586 0.9571 0.9564 0.9556 0.9556	0.9595 0.9586 0.9571 0.9551 0.9556 0.9542 0.9542 0.9542	0.9596 0.9586 0.9571 0.9564 0.9556 0.9557 0.9527 0.9527	0.9596 0.9586 0.9571 0.9564 0.9556 0.9542 0.9527 0.9512 0.9542	0.9595 0.9586 0.9571 0.9564 0.9566 0.9572 0.9572 0.9572 0.9572 0.9572 0.9572	0.9596 0.9586 0.9571 0.9564 0.9556 0.9572 0.9572 0.9572 0.9512 0.9512 0.9482 0.9482	0.9596 0.9586 0.9571 0.9564 0.9556 0.9572 0.9527 0.9527 0.9487 0.9488 0.9488	0.9596 0.9586 0.9571 0.9554 0.9556 0.9572 0.9572 0.9572 0.9572 0.9482 0.9483 0.9483	0.9596 0.9586 0.9578 0.9564 0.9556 0.9527 0.9527 0.9482 0.9482 0.9483 0.9453 0.9453 0.9423	0.9596 0.9586 0.9578 0.9571 0.9556 0.9556 0.9572 0.9572 0.9482 0.9482 0.9483 0.9468 0.9423 0.9423	0.9596 0.9586 0.9578 0.9571 0.9556 0.9572 0.9572 0.9482 0.9483 0.9483 0.9483 0.9483 0.9483	0.9596 0.9586 0.9578 0.9571 0.9564 0.9572 0.9482 0.9482 0.9483 0.9483 0.9423 0.9423 0.9423 0.9423 0.9423 0.9423	0.9596 0.9586 0.9578 0.9571 0.9556 0.9557 0.9487 0.9482 0.9482 0.9482 0.9483 0.9483 0.9453 0.9453 0.9408 0.9379 0.9379	0.9596 0.9586 0.9578 0.9571 0.9556 0.9572 0.9482 0.9482 0.9483 0.9483 0.9483 0.9483 0.9483 0.9384 0.9384 0.9384	0.9596 0.9586 0.9578 0.9571 0.9564 0.9562 0.9482 0.9482 0.9483 0.9483 0.9423 0.9334 0.9334 0.9334	0.9596 0.9586 0.9571 0.9554 0.9556 0.9527 0.9482 0.9482 0.9483 0.9483 0.9423 0.9423 0.9423 0.93394 0.93394 0.93305	0.9596 0.9586 0.9578 0.9571 0.9556 0.9557 0.9482 0.9482 0.9483 0.9483 0.9483 0.9483 0.9483 0.9483 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384	0.9596 0.9586 0.9578 0.9571 0.9564 0.9567 0.9482 0.9482 0.9483 0.9483 0.9468 0.9483 0.9473 0.9320 0.9334 0.9334 0.93364 0.93364 0.93364
200	2		9	00	20	00	00	00	20	C	2	20	20	20 20 20	9 000000000000000000000000000000000000	200000000000000000000000000000000000000	9.	2 0	2 0 0 0 0 0 0	2 16 0 0 0 0 0 0	2 0 0 0 0 0 0 0	2 .6	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
1.2.20		1.2200	1.2300	1.2400	1.2450	1.2500	1.2550	1.2600	1.2650	1.2700	SILC	UC/7.	UC/7.	1.2800 1.2850	1.2850 1.2850 1.2900	1.2850 1.2850 1.2900 1.2950	1.2800 1.2850 1.2950 1.2950 1.3000	1.2850 1.2850 1.2950 1.2950 1.3000 1.3100	1.2800 1.2800 1.2900 1.2950 1.3000 1.3100 1.3200	1.2850 1.2850 1.2950 1.2950 1.3000 1.3100 1.3200	1.2800 1.2850 1.2900 1.2950 1.3000 1.3100 1.3200 1.3400		.2850 2850 2950 300 3100 3200 3400 3500			1.2850 1.2850 1.2950 1.2950 1.3000 1.3100 1.3100 1.3500 1.3500 1.3500 1.3500 1.3500 1.3500 1.3500	1.2850 1.2850 1.2950 1.2950 1.3000 1.3100 1.3200 1.3500 1.		1.2850 1.2850 1.2950 1.2950 1.3000 1.3100 1.3100 1.3100 1.3500 1.			1.2850 1.2850 1.2950 1.2950 1.3000 1.3100 1.3100 1.3100 1.3100 1.3500 1.	1.2850 1.2850 1.2850 1.2950 1.30000 1.30000 1.30000 1.30000 1.30000 1.30000 1.30000 1.30000 1	1.2850 1.2850 1.2850 1.2900 1.3200 1.	1.2800 1.2800 1.2800 1.2900 1.2900 1.3000 1.3100 1.3200 1.3300 1.3400 1.3500 1.3500 1.3500 1.3500 1.3500 1.3600 1.3600 1.3700 1.3600 1.4000 1.4500 1.4500 1.4500	1.2850 1.2850 1.2850 1.2900 1.2900 1.3000 1.3100 1.3200 1.3500 1.3500 1.3500 1.3500 1.3500 1.3500 1.4000 1.4000 1.4500 1.4500 1.4500 1.4500

SINGLE FAMILY DWELLING

SAMPLE TAX BILLS AT VARIOUS SHIFTS FOR FY 2022

	FY	AVERAGE	TAX	TAX	%	DIFFERENCE	INCREASE
	YEAR	ASSESSED	RATE	BILL	SHIFT	FY 21 vs FY 22	FROM FY 21
	2021	\$556,170	\$14.84	\$8,254	1.275		
	2022	\$591,350	\$14.85	\$8,782	1.100	\$528	6.39%
	2022	\$591,350	\$14.74	\$8,716	1.150	\$462	5.60%
	2022	\$591,350	\$14.63	\$8,651	1.200	\$397	4.82%
	2022	\$591,350	\$14.56	\$8,610	1.230	\$356	4.31%
	2022	\$591,350	\$14.52	\$8,586	1.250	\$332	4.03%
	2022	\$591,350	\$14.49	\$8,569	1.260	\$315	3.81%
***	2022	\$591,350	\$14.46	\$8,551	1.275	\$297	3.60%
	2022	\$591,350	\$14.43	\$8,533	1.290	\$279	3.38%
	2022	\$591,350	\$14.41	\$8,521	1.300	\$267	3.24%
	2022	\$591,350	\$14.36	\$8,492	1.320	\$238	2.88%
	2022	\$591,350	\$14.29	\$8,450	1.350	\$196	2.38%
	2022	\$591,350	\$14.18	\$8,385	1.400	\$131	1.59%
	2022	\$591,350	\$14.07	\$8,320	1.450	\$66	0.80%
	2022	\$591,350	\$13.96	\$8,255	1.500	\$1	0.02%

^{***} CURRENTLY THE TOWN OF WALPOLE HAS A SHIFT OF 1.275%

BREAKDOWN OF SINGLE FAMILY HOME ASSESSMENT FY 2022

BREAKDOWN C	OF HOMES E	BY ASSESSMENTS		# OF F	IOMES
ASSESSMENTS					
BETWEEN		\$0	\$250,000		7
		\$250,000	\$350,000		80
		\$350,000	\$400,000		421
		\$400,000	\$450,000		930
		\$450,000	\$500,000		1292
		\$500,000	\$600,000		1473
		\$600,000	\$700,000		826
		\$700,000	\$800,000		622
		\$800,000	\$900,000		475
		\$900,000	\$1,000,000		234
OVER		\$1,000,000			256
			TOTAL		6616

TAX BILLS FOR FY 2022 BY ASSESSMENTS

	SE SINGLE FAMILY		\$591,350
AVERAG	SE SINGLE FAMILY	TAX BILL	\$8,551
ASS	SESSMENTS	TAXES	
	\$250,000	\$3,615	
	\$300,000	\$4,338	
	\$350,000	\$5,061	
	\$400,000	\$5,784	
	\$450,000	\$6,507	
	\$500,000	\$7,230	
	\$550,000	\$7,953	
	\$591,350	\$8,551	
	\$600,000	\$8,676	
	\$650,000	\$9,399	
	\$700,000	\$10,122	

\$11,568

\$13,014

\$14,460

\$800,000

\$900,000

\$1,000,000

SAMPLE TAX BILLS AT VARIOUS SHIFTS FOR FY 2022

COMMERCIAL PROPERTIES

COMMERCIAL CLASSES 300 thru 393

	FY YEAR	AVERAGE ASSESSMENT	TAX RATE	TAX BILL	% SHIFT	DIFFERENCE FY 21 vs FY 22	CHANGE FROM FY 21
	2020	\$1,161,510	\$19.72	\$22,905	1.275		
	2021	\$1,146,436	\$16.58	\$19,008	1.100	(\$3,897)	-17.01%
	2021	\$1,146,436	\$17.34	\$19,879	1.150	(\$3,026)	-13.21%
	2021	\$1,146,436	\$18.09	\$20,739	1.200	(\$2,166)	-9.46%
	2021	\$1,146,436	\$18.84	\$21,599	1.250	(\$1,306)	5.70%
***	2021	\$1,146,436	\$19.22	\$22,034	1.275	(\$870)	3.80 %
	2021	\$1,146,436	\$19.30	\$22,126	1.285	(\$779)	-3.40%
	2021	\$1,146,436	\$19.60	\$22,470	1.300	(\$435)	-1.90%
	2021	\$1,146,436	\$19.75	\$22,642	1.310	(\$263)	-1.15%
	2021	\$1,146,436	\$20.05	\$22,986	1.330	\$81	0.35%
	2021	\$1,146,436	\$20.35	\$23,330	1.350	\$425	1.86%
	2021	\$1,146,436	\$20.80	\$23,846	1.380	\$941	4.11%
	2021	\$1,146,436	\$21.10	\$24,190	1.400	\$1,285	5.61%
	2021	\$1,146,436	\$21.86	\$25,061	1.450	\$2,156	9.41%
	2021	\$1,146,436	\$22.61	\$25,921	1.500	\$3,016	13.17%

INDUSTRIAL PROPERTIES

INDUSTRIAL CLASSES 400 thru 442

FY	AVERAGE	TAX	TAX	%	DIFFERENCE	CHANGE
YEAR	ASSESSMENT	RATE	BILL	SHIFT	FY 21 vs FY 22	FROM FY 21
2020	\$847,700	\$19.72	\$16,717	1.275		
2021	\$893,373	\$16.58	\$14,812	1.100	(\$1,905)	-11.39%
2021	\$893,373	\$17.34	\$15,491	1.150	(\$1,226)	-7.33%
2021	\$893,373	\$18.09	\$16,161	1.200	(\$556)	-3.32%
2021	\$893,373	\$18.84	\$16,831	1.250	\$115	0.68%
					7	0.0070
2021	\$893,373	\$19.22	\$17,171	1.275	\$454	2.72%
	, , , , , , ,	Ţ.V	4,	11210	Ψτοτ	2.1270
2021	\$893,373	\$19.30	\$17,242	1.285	\$525	3.14%
2021	\$893,373	\$19.60	\$17,510	1.300		
					\$793	4.75%
2021	\$893,373	\$19.75	\$17,644	1.310	\$927	5.55%
2021	\$893,373	\$20.05	\$17,912	1.330	\$1,195	7.15%
2021	\$893,373	\$20.35	\$18,180	1.350	\$1,463	8.75%
2021	\$893,373	\$20.80	\$18,582	1.380	\$1,866	11.16%
2021	\$893,373	\$21.10	\$18,850	1.400	\$2,134	12.76%
2021	\$893,373	\$21.86	\$19,529	1.450	\$2,812	16.82%
2021	\$893,373	\$22.61	\$20,199	1.500	\$3,483	20.83%
			,		ΨΟ,-100	20.0070

^{***} CURRENTLY THE TOWN OF WALPOLE HAS A SHIFT OF 1.275%



Residential Single Family Home Property History

FISCAL	SINGLE FAIMILY ASSESSIMENT	# OF SINGLE FAMILY	AVG. SINGLE FAMILY ASSMT.	% CHANGE ASSESSMENT	RESIDENTIAL TAX RATE	AVG. SINGLE FAMILY TAXES	\$ CHANGE TAXES	% CHANGE TAXES	% SHIFT
2022	\$3,912,376,400	6,616	\$591,351	6.33%	\$14.46	\$8,551	\$297	3.60%	1.275
2021	\$3,669,592,700	6,598	\$556,167	4.56%	\$14.84	\$8,254	\$281	3.52%	1.275
2020	\$3,505,876,200	6,591	\$531,918	4.10%	\$14.99	\$7,973	\$258	3.34%	1.275
2019	\$3,351,399,900	6,559	\$510,962	4.97%	\$15.10	\$7,716	\$282	3.69%	1.275
2018	\$3,187,499,500	6,548	\$486,790	4.10%	\$15.27	\$7,433	\$265	3.11%	1.275
2017	\$3,057,216,800	6,538	\$467,607	4.66%	\$15.33	\$7,168	\$216	3.11%	1.275
2016	\$2,909,546,700	6,512	\$446,798	4.80%	\$15.56	\$6,952	\$259	3.87%	1.275
2015	\$2,761,330,000	6,477	\$426,329	4.90%	\$15.70	\$6,693	\$288	4.50%	1.275
2014	\$2,611,726,100	6,426	\$406,431	0.46%	\$15.76	\$6,405	\$175	2.81%	1.275
2013	\$2,584,040,700	6,387	\$404,578	-0.33%	\$15.40	\$6,231	\$491	8.55%	1.250
2012	\$2,579,241,700	6,354	\$405,924	0.28%	\$14.14	\$5,740	\$202	3.65%	1.250
2011	\$2,555,112,500	6,312	\$404,802	-3.15%	\$13.68	\$5,538	\$255	4.82%	1.250
2010	\$2,621,420,800	6,272	\$417,956	-5.46%	\$12.64	\$5,283	\$124	2.40%	1.250
*									

^{*} FY 2022 PROJECTED TAX RATE BASED ON CURRENT FY 2021 FACTORS (Shift of 1.275)

Commercial Class Property History COMMERCIAL CLASS USE CODES 300-393

* FY 2022 PROJECTED TAX RATE BASED ON CURRENT FY 2021 FACTORS (Shift of 1.275)

FISCAL	COMMERCIAL	COMMERCIAL	AVERAGE	% CHANGE	C.I.P.	AVERAGE	\$ CHANGE	% CHANGE	%
	ACCEPCIAL IN	LANCEL	ASSESSIVIEIVI	ASSESSIVIEIN	IAA KAIE	I AA BILL	IAXES	IAXES	ZHIF.
2022	\$280,872,100	245	\$1,146,417	-1.30%	\$19.22	\$22,034	(\$871)	-3.80%	1.275
2021	\$283,409,400	244	\$1,161,514	4.39%	\$19.72	\$22,905	\$719	3.24%	1.275
2020	\$270,365,900	243	\$1,112,617	3.92%	\$19.94	\$22,186	\$688	3.20%	1.275
2019	\$263,368,700	246	\$1,070,604	8.47%	\$20.08	\$21,498	\$1,432	7.14%	1.275
2018	\$244,773,900	248	\$986,992	3.82%	\$20.33	\$20,066	\$99\$	3.42%	1.275
2017	\$235,757,500	248	\$950,635	5.82%	\$20.41	\$19,402	\$779	4.18%	1.275
2016	\$223,693,200	249	\$898,366	%86.9	\$20.73	\$18,623	\$1,047	2.96%	1.275
2015	\$214,135,500	255	\$839,747	4.18%	\$20.93	\$17,576	\$616	3.63%	1.275
2014	\$204,741,700	254	\$806,070	-2.40%	\$21.04	\$16,960	\$377	2.27%	1.275
2013	\$207,288,400	251	\$825,850	1.71%	\$20.08	\$16,583	\$1,643	11.00%	1.250
2012	\$203,801,100	251	\$811,957	-1.35%	\$18.40	\$14,940	\$272	1.86%	1.250
2011	\$206,600,500	251	\$823,110	-5.35%	\$17.82	\$14,668	\$345	2.41%	1.250
2010	\$216,539,700	249	\$869,637		\$16.47	\$14,323	\$1,147	8.71%	1.250

Industrial Class Property History

* FY 2022 PROJECTED TAX RATE BASED ON CURRENT FY 2021 FACTORS (Shift of 1.275)

INDUSTRIAL CLASS USE CODES 400-442

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%	SHIFT	1.275	1.275	1.27	1.275	1.27	1.27	1.27	1.275	1.275	1.250	1.250	1.250
% CHANGE	TAXES	2.72%	4.33%	3.33%	3.53%	2.85%	5.40%	4.81%	0.39%	3.70%	11.33%	2.43%	89.9
% CHANGE	TAXES	\$454	\$694	\$517	\$529	\$415	\$746	\$634	\$52	\$468	\$1,288	\$270	\$695
AVERAGE	TAX BILL	\$17,171	\$16,717	\$16,023	\$15,506	\$14,977	\$14,562	\$13,816	\$13,182	\$13,130	\$12,663	\$11,374	\$11,104
C.I.P.	TAX RATE	\$19.22	\$19.72	\$19.94	\$20.08	\$20.34	\$20.41	\$20.73	\$20.93	\$21.04	\$20.08	\$18.40	\$17.82
% CHANGE	ASSESSMENT	5.39%	5.49%	4.06%	4.87%	3.21%	7.05%	5.82%	0.92%	-1.04%	2.01%	-0.80%	-1.43%
AVERAGE	ASSESSMENT	\$893,373	\$847,704	\$803,557	\$772,205	\$736,335	\$713,464	\$666,467	\$629,819	\$624,071	\$630,603	\$618,155	\$623,120
INDUSTRIAL	PARCEL	229	228	229	231	231	240	250	258	259	259	260	261
INDUSTRIAL	ASSESSMENT	\$204,582,500	\$193,276,400	\$184,014,600	\$178,379,300	\$170,093,300	\$171,231,400	\$166,616,800	\$162,493,300	\$161,634,300	\$163,326,200	\$160,720,400	\$162,634,400
FISCAL	YEAR	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011

Single Family Tax Information - Norfolk County - FY 2021

NORFOLK COUNTY	Single Family	Single Average Single Family Home	Single Family Assessments	Average Tax Bill	Rank State	Total Levy	Residential Levy	Comm/Ind/PP Levy	Residential Levy %	*CIP Levy %	*CIP Shift	Max Shift Allowed
Walpole	6,598	À	556,167 3,669,592,700	8,254	52	79,315,130 66,339,353	66,339,353	12,975,777	83.64	16.36	1.275	1.50
Bellingham	4,744	338,900	1,607,740,920	4,884	199	46,648,739	29,310,493	17.338.246	62.83	37.17	1 264	1.50
Canton	5,453	592,352	3,230,097,000	7,227	76	84,941,942	51,424,305	33.517.637	60.54	39.46	1 600	1.60
Dedham	6,627	550,083	3,645,401,700	7,520	29	93,353,589	63,005,155	30,348,434	67.49	32.51	1.750	1.75
Dover	1,834	1,235,335	2,265,605,100	15,923	9	34,836,802	33,853,127	983,675	97.18	2.82	1.000	1.50
Foxborough	4,365	485,876	2,120,848,420	7,162	79	53,903,095	39,793,014	14,110,081	73.82	26.18	1.200	1.50
Franklin	7,745	473,315	3,665,821,100	6,934	98	84,590,319	68,627,622	15,962,697	81.13	18.87	1,000	1.50
Medfield	3,525	692,421	2,440,784,100	12,297	18	50,756,430	47,921,058	2,835,372	94.41	5.59	1,000	1.50
Medway	3,683	451,156	1,661,606,600	7,877	09	43,068,793	33,190,153	9,878,640	77.06	22.94	1.000	1.50
Millis	2,220	433,509	962,390,900	8,505	20	27,135,581	24,828,021	2,307,560	91.50	8.50	1.000	1.50
Milton	7,197	759,212	5,464,050,400	9,968	33	88,217,613	82,850,895	5,366,718	93.92	6.08	1.521	1.75
Needham	8,402	996,845	8,375,489,400	12,989	15	162,438,801	124,946,835	37,491,967	76.92	23.08	1.750	1.75
Norfolk	3,131	519,692	1,627,155,742	9,349	39	35,607,230	32,950,779	2.656.451	92.57	7.43	1.000	1.50
Norwood	5,849	490,899	2,871,268,000	5,567	159	88,117,993	49,507,086	38,610,906	56.18	43.82	1 710	175
Sharon	5,337	579,612	3,093,388,000	11,841	19	75,279,363	69,433,771	5.845.593	92.23	7.77	1 000	1.50
Stoughton	699'9	391,075	2,608,082,300	5,905	138	75,944,397	53,004,088	22,940,309	69.79	30.21	1 480	1.50
Walpole	6,598	556,167	3,669,592,700	8,254	52	79,315,130	66,339,353	12.975.777	83.64	16.36	1.275	1.50
Wellesley	7,302	1,385,851	10,119,483,000	16,284	4	149,412,383	130,096,247	19,316,136	87.07	12.93	1.000	1.50
Westwood	4,540	837,300	3,801,343,382	12,375	17	83,468,800	62,558,947	20,909,853	74.95	25.05	1.700	1.75
Wrentham	3,585	487,136	1,746,381,148	6,854	89	36,513,295	27,858,593	8,654,702	76.30	23.70	1.180	1.50
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Source DLS Databank

*CIP stands for Commercial, Industrial, Personal Property

In Fiscal Year 2021 approximatley 109 City/Town have a Shift

Fiscal Year 2022 Top Ten Taxpayers

	FY 2022	FY 2022
	ASSESSED	ESTIMATED
	VALUATION	TAXES
NSTAR / Eversource	\$113,731,910	\$2,185,927
Siemens Medical Solutions Diagnost	\$69,773,400	\$1,341,045
Walpole Mall Assoc. LLC	\$45,052,100	\$865,901
Hilltop Preserve LP (Gatehouse Apts	\$40,715,200	\$588,742
ALTA Moose Hill LLC	\$32,409,200	\$468,637
Eversource Gas	\$17,253,870	\$331,619
NVP Owner LLC (New Pond)	\$17,992,000	\$260,164
Wal Mart	\$14,652,000	\$281,611
Verzion New England	\$11,788,700	\$226,579
R K Walpole LLC (Stop & Shop)	\$10,155,200	\$195,183
	\$373,523,580	\$6,745,409
	Walpole Mall Assoc. LLC Hilltop Preserve LP (Gatehouse Apts ALTA Moose Hill LLC Eversource Gas NVP Owner LLC (New Pond) Wal Mart Verzion New England	ASSESSED VALUATION NSTAR / Eversource \$113,731,910 Siemens Medical Solutions Diagnost \$69,773,400 Walpole Mall Assoc. LLC \$45,052,100 Hilltop Preserve LP (Gatehouse Apts \$40,715,200 ALTA Moose Hill LLC \$32,409,200 Eversource Gas \$17,253,870 NVP Owner LLC (New Pond) \$17,992,000 Wal Mart \$14,652,000 Verzion New England \$11,788,700 R K Walpole LLC (Stop & Shop) \$10,155,200

FY 2022 ASSESSMENT CLASSIFICATION REPORT DOR LA-4 PROPERTY TYPES

RES	DEN	TIAL
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RESIDENTIAL		
PROPERTY TYPE	PARCELS	ASSESSED VALUE
SINGLE FAMILY	6,616	3,912,376,400
CONDOMINIUMS	1,235	468,536,700
MULTIPLE HOMES ON ONE LOT	31	25,009,300
TWO FAMILY	198	101,465,500
THREE FAMILY	39	22,234,500
APARTMENTS FOUR OF MORE	43	198,883,700
MULTIPLE USE PROPERTY TOTAL	57	31,451,189
VACANT LAND	390	26,655,500
TOTAL RESIDENTIAL ASSESSED	8,609	4,786,612,789
COMMERCIAL		
PROPERTY TYPE	PARCELS	ASSESSED VALUE
COMMERCIAL USE CHAPTER LAND:	245	280,872,100
FOREST CHAPTER 61	. 7	11,600
FARM CHAPTER 61A	7	48,500
RECREATION CHAPTER 61B	24	1,643,600
MULTIPLE USE PROPERTY TOTAL	0	21,725,170
TOTAL COMMERCIAL ASSESSED	283	304,300,970
INDUSTRIAL		
PROPERTY TYPE	PARCELS	ASSESSED VALUE
INDUSTRIAL USE	229	204,582,500
SOLAR FARM	3	5,645,300
MULTIPLE USE PROPERTY TOTAL	0	790,641
TOTAL INDUSTRIAL ASSESSED	232	211,018,441
EVENDE		
EXEMPTS	556	517,985,000
REAL PROPERTY	9,124	5,301,932,200
EXEMPTS	556	517,985,000
TOTALS:	9,680	5,819,917,200
Personal Property		
INDIVIDUAL, PARTNERSHIP	108	9,825,910
CORPORATIONS	169	15,885,810
LOCALLY ASSESSED UTILITY	3	138,726,630
DOR ASSESSED TELEPHONE	4	12,788,200
DOR ASSESSED GAS PIPELINES	1	8,004,700
LOCALLY ASSESSED WIRELESS	4	3,588,540
POWER & TRANSMISSION PLANT	2	3,759,830
	291	192,579,620

PRCENTAGE OF TAX LEVY HISTORY

FISCAL		RESIDENTIAL	OPEN SPACE	COMMERCIAL	INDUSTRIAL	PERSONAL	TOTAL
YEAR	SHIFT	LEVY %	LEVY %	LEVY %	LEVY %	LEVY %	LEVY%
2022	1.275	83.5729	0.0000	7.0613	4.8969	4.4689	100.00
2021	1.275	83.6408	0.0000	7.5971	4.9707	3.7914	100.00
2020	1.275	83.3571	0.0000	7.6956	5.0316	3.9156	100.00
2019	1.275	83.3003	0.0000	7.8919	5.1388	3.6690	100.00
2018	1.275	83.0286	0.0000	7.7993	5.1761	3.9960	100.00
2017	1.275	82.9346	0.0000	7.8251	5.2603	3.9800	100.00
2016	1.275	82.7868	0.0000	7.7516	5.3665	4.0951	100.00
2014	1.275	82.1609	0.0000	7.8455	5.7402	4.2534	100.00
2013	1.250	82.3399	0.0000	7.8437	5.7237	4.0927	100.00
2012	1.250	82.9351	0.0000	7.7512	5.6582	3.6555	100.00
2011	1.250	82.6677	0.0000	7.8605	5.7336	3.7381	100.00
2010	1.250	82.5287	0.0000	8.0067	5.8783	3.5863	100.00
2009	1.250	83.6670	0.0000	7.7154	5.9186	2.6990	100.00
2008	1.250	83.4482	0.0000	7.8606	5.6246	3.0666	100.00
2007	1.250	84.6275	0.0000	7.3281	5.0265	3.0169	100.00
2006	1.250	85.1616	0.0000	7.2065	5.0198	2.6121	100.00
2005	1.250	85.9127	0.0000	6.8680	4.7156	2.5037	100.00
2004	1.180	82.7469	0.0000	7.6616	4.9692	4.6223	100.00
2003	1.180	84.8960	0.0000	7.5692	5.0653	2.4695	100.00
2002	1.180	84.9330	0.0000	7.7883	5.1637	2.1150	100.00
2001	1.180	83.0578	0.0000	8.5729	5.5263	2.8430	100.00
2000	1.180	83.4676	0.0000	8.3870	5.4833	2.6621	100.00
1999	1.200	82.4922	0.0000	9.0600	5.7047	2.7432	100.00
1998	1.220	81.8942	0.0000	8.7987	6.2048	3.1024	100.00
1997	1.220	81.6884	0.0000	8.9240	6.2712	3.1165	100.00
1996	1.220	81.2758	0.0000	8.9394	6.6295	3.1553	100.00

^{*}FY 2022 PROJECTED TAX LEVY BASED ON FY 2021 FACTORS & SHIFT

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TAX RATE HISTORY

FISCAL YEAR	TAX RATE		
SPLIT	RES	**C.I. P.	% SHIFT
2022	\$14.46	\$19.22	1.275%
2021	\$14.84	\$19.72	1.275%
2020	\$14.99	\$19.94	1.275%
2019	\$15.10	\$20.08	1.275%
2018	\$15.27	\$20.33	1.275%
2017	\$15.33	\$20.41	1.275%
2016	\$15.56	\$20.73	1.275%
2015	\$15.70	\$20.93	1.275%
2014	\$15.76	\$21.04	1.275%
2013	\$15.40	\$20.08	1.250%
2012	\$14.14	\$18.40	1.250%
2011	\$13.68	\$17.82	1.250%
2010	\$12.64	\$16.47	1.250%
2009	\$11.67	\$15.16	1.250%
2008	\$10.83	\$14.08	1.250%
2007	\$10.72	\$13.89	1.250%
2006	\$10.94	\$14.15	1.250%
2005	\$10.99	\$14.22	1.180%
2004	\$14.46	\$17.60	1.180%
2003	\$13.93	\$16.88	1.180%
2002	\$13.69	\$16.59	1.180%
2001	\$15.76	\$19.17	1.180%
2000	\$14.92	\$18.16	1.180%
1999	\$14.82	\$18.40	1.200%
1998	\$15.29	\$19.40	1.220%
1997	\$14.94	\$18.96	1.220%
1996	\$14.45	\$18.38	1.220%
1995	\$13.48	\$17.25	1.220%
1994	\$13.01	\$16.64	1.220%
1993	\$12.75	\$14.67	1.150%
1992	\$11.82	\$12.41	1.050%
1991	\$10.16	\$12.07	1.190%
1990	\$9.80	\$11.64	1.190%
1989	\$12.66		1.000%
1988	\$12.10		1.000%
1987	\$11.46		1.000%
1986	\$23.25	DDENT EACTODE of 4 27	1.000%

PROJECTED TAX RATES BASED ON CURRENT FACTORS of 1.275%

C.I.P. Commercial, Industrial, Personal Property

1990 First Year of Split Tax Rate

1990 First Year of Split Tax Rate

TOWN OF WALPOLE

SOME IMPORTANT POINTS ABOUT YOUR FISCAL YEAR 2022 ASSESSMENTS:

Board of Assessors 135 School Street Walpole, MA 02081

508-660-7315

Frequently Asked Questions on the Property Tax Process:

What is an Assessment?

The assessment is the value of property to be used for local taxation as determined by the Board of Assessors through a series of market analysis of the **2020 Real Estate Market** and regulations set by the Commissioner of Revenue. The assessment is the estimated full and fair cash value of a property on January 1, 2021.

What is full and fair cash value?

State law requires the assessor to assess property at its "full and fair cash value" (market value) as of January 1 of the assessment year. This is defined as "the estimated price the property would bring in an open market and under the then prevailing market conditions in a sale between a willing seller and a willing buyer both conversant with the property and with prevailing general price levels."

How is property assessed?

The Assessors Office conducts field inspections to collect and verify property descriptions and to identify all characteristics which might affect a property's value. These characteristics include, but are not limited to, land area and features, the size of the structure(s), the quality of materials and workmanship, building style and number of stories, number of bedrooms and bathrooms, heat source, and observed condition. The property's characteristics are used to calculate replacement cost and depreciation, plus land value, which are compared with similar market sales and adjusted to market value based upon prevailing price levels.

Why do property values change?

The most frequent reason for a change in value of a given property is a change in market conditions. This means a change in the supply or demand for real estate, which typically reflects broader trends in the local or regional economy such as employment levels, household income, inflation or deflation, prevailing interest rates, consumer confidence, or any number of other economic factors. Basically, a change in market conditions means a change in the price a seller would be willing to accept or the price a buyer would be willing to pay for a given property. The assessor continually tracks market conditions as reflected in real estate sales prices and overall price levels.

Why did my assessment change?

All communities must update their assessments annually to meet requirements as outlined in the Guidelines to a Minimum Reassessment Program, by the Department of Revenue.

I. To meet these requirements and based upon residential sales in Walpole in 2020, it is estimated that the average single family assessment will increase by 6.33 % for FY 2022. (From \$556,170 to \$591,350) an increase of (\$35,180).

II. The Average Single Family tax bill will increase by 3.60 % from the previous year. (From \$8,254 to \$8,551) or (\$297 Dollars).

Why did the average single family assessment increase by 6.33%?

As stated above, the Board of Assessors are required to meet guidelines by the Commissioner of Revenue, the guidelines require that the assessments be based calendar year 2020 sales and not from calendar year 2021 sales. Regardless of whether assessments go up or down, the Town will still raise approximately \$82,820,565 in property taxes for FY 2022.

How can my assessment change when I haven't done anything to my property?

Since assessments must be based upon market value, assessments will continue to change during rising and declining real estate markets. As property values change in the marketplace (sales), those changes must be reflected in the assessments. All properties, however, do not change in value to exactly the same degree. Many factors influence values. Among the numerous factors to be considered are location, condition, size, quality, number of baths, finished basement, garages, additions, traffic, and utilities.

Do all assessments change at the same rate?

Not always, there may be differences between individual properties and between neighborhoods. In one area the sales may indicate a substantial increase in value in a given year, while in another neighborhood there may be no change in value, or even a decrease in value. Different types of properties within the same neighborhood may also show different value changes. For example, one-story houses may be more in demand than two-story houses, or vice versa, depending on prevailing market conditions.

How often are properties reassessed?

State law requires all properties to be assessed at market value as of January 1 each year. This does not mean that every property is physically inspected each year. Properties in the Town are required to be physically re-inspected at least every nine years. The purpose of this cyclical reinspection is to ensure that the assessing department maintains an accurate and up-to-date description of all taxable property in Town, and to capture any unreported structures that may have been added since our last visit.

Why is the assessed value different from the sale price recently paid?

While a sale price is usually the most reliable indicator of market value, not all sales represent market value. Some sales may represent a distressed seller or buyer, or there may be considerations other than cash paid as part of the transaction, such as a trade of other goods or services. Or, the sale may have been a private transaction, or between related parties, which did not allow adequate exposure in the open marketplace. In addition, a single sale does not make a market, and the assessing department considers all known sales in a given area to establish market trends, which the department then uses to apply a uniform valuation method to all properties in the area.

How is an assessment different from a private appraisal?

The assessing department is concerned not only with market value, but also with equity of assessment, which means making sure that every property is assessed at the same level as all others with respect to market value. For this reason, the assessor uses a broad scope in its approach to value, using overall trends to value all properties in a given market area. In contrast, a private appraisal is only concerned with estimating the value of a single property. Consequently, the scope is usually focused on a small number of comparable sales, and making adjustments for the differences between those sales and the subject. Overall, given adequate market data, the value estimates produced by a mass appraisal assessment process and a private appraisal should be very similar.

My house (or new construction project) is not 100% complete. Is it assessable when it is not complete?

Yes, the Assessor is required by law to assess property at its fair market value regardless of its percentage of completion. The appraiser will estimate the percentage of completion by utilizing a chart that assigns a percentage to each phase of construction as of <u>June 30th</u>.

What should I do if I find an error or omission in my assessment?

You should contact the Assessor's office and report the error. It is the property owners' responsibility to notify the assessor of any errors or omissions.

Is the purpose of a revaluation to increase taxes?

No, the purpose of a revaluation is to make assessments for all parcels in Town, fair and equitable in relation to each other, based upon the **2020 Real Estate Market**. Whether taxes as a whole go up or down has more to do with the Town's budget rather than if your assessments decreases or increases. As stated above, the Town will still raise approximately **\$82,820,565** in property taxes for FY 2022 no matter if the assessments increase or decrease.

What is the assessor's role in municipal taxation?

The assessor's duties are to discover, list and value all taxable property in the Town in a fair and uniform manner in accordance with state law. The assessor also administers tax exemption programs as authorized by law. The assessor is not involved in billing or collecting property taxes.

How are my taxes determined?

The amount of taxes you pay is determined by the appropriations voted at Town Meeting. The Town adopts a budget that reflects what services will be provided and the cost to provide those services. After Town Meeting adopts a budget, the amount of taxes to be raised is calculated in accordance with Proposition 2-1/2 and divided by the total taxable valuation of the Town to determine the projected single tax rate. The Board of Selectmen holds a public hearing to determine whether and how much residential tax will be transferred onto the commercial properties, commonly referred to as the split tax rate (commercial properties pay a higher tax rate than residential properties). All the information is forwarded to the Department of Revenue for its review and approval. The tax rates are then finalized to raise the needed dollars to pay for the services that the Town voted to provide.

What if I disagree with the assessed value of my property?

If you believe that your property is over assessed based on calendar year 2020 sales, not assessed fairly in comparison to other properties, or that it is not classified correctly, you have the right to file for an abatement of taxes. An application must be filed with the Assessors Office. Applications are available at the Assessors Office. In filing an abatement application you will want to be specific about why you disagree with your assessment. Is there some misinformation on your property record card? Did you find values of comparable properties lower than your property? Please provide us with all the necessary information to support your position on valuation.

When can I apply for an abatement on my Real or Personal Property?

Once the ACTUAL TAX bills (3rd installment of Quarterly Billing) are MAILED, you will have until the due date of the 3rd installment (February 1, 2022) to file an abatement application with the Assessor's Office. Please note that the Board of Assessors may only consider an application for an abatement that has been filed with the Assessor's Office in a timely manner. (Feb 1st 2022)

I just received a tax bill for my property addressed to the previous owner, why is their name on the bill?

If you purchased your property after January 1, 2021, state law requires that the owner as of January 1st name must appear on the tax bill for Fiscal Year 2022. (Your name will appear on the first quarter bill for FY 2023 (July 1, 2022).

How can I learn more about my rights for an abatement, exemption, or deferral?

By contacting the Board of Assessors' Office at (508) 660-7315 or stopping by their office Monday, Wednesday, Thursday - 8:00 am - 4:00 pm, Tuesday - 8:00 am - 8:00 pm Friday - 8:00 am - 12:00 pm

TAX ASSISTANCE PROGRAMS [Fiscal Year 2022]:

Board of Assessors Town Hall Room 115 135 School Street, Walpole, MA 02081

Phone: 508-660-7315

Office Hours: Monday – Thursday 8 am – 4 pm

Tuesday 8 am - 8 pmFriday 8 am - 12 pm

Tax Exemption for Older Citizens (Clause 41C):

To qualify, a taxpayer:

- Must be over 65 years of age as of July 1, 2021 AND
- Must have primary residence in Massachusetts for ten years and owned property in the state for five years and must have occupied the property as of July 1, 2020 AND
- Must have an Income of less than \$20,000 if single, \$30,000 if married AND
- Assets not to exceed \$40,000 if single, \$55,000 if married. (Excluded assets are domicile, household items, and motor vehicles.)
- Exemption amount ranges from \$1,000 to \$2,000.

Tax Deferral for Older Citizens (Clause 41A):

To qualify, a taxpayer:

- Must be over 65 years of age as of July 1, 2021 AND
- Must have primary residence in Massachusetts for ten years and owned property in the state for five years AND
- Must have occupied the property as of July 1, 2021
 AND
- Gross annual income cannot exceed: Single \$62,000 Married \$93,000.
- Interest on amount deferred is 4% simple interest.

Senior Circuit Breaker Credit: (Income Tax Credit)

To qualify, a taxpayer:

- Must be 65 or older before December 31, 2021 AND
- Must own or rent in Massachusetts as principal residence AND
- Must have gross income less than \$62,000 if such person is single and not head of household, less than \$78,000 if such person is head of household, or less than \$93,000 if such person files a joint tax return with spouse AND
- Must not have an assessed real estate valuation exceeding \$884,000.

Maximum Credit amount up to \$1,100 of <u>State Income Tax</u> <u>Credit</u> (Not Property Taxes). (ASTM 2009)

Senior Property Tax Work-Off Program:

To qualify, a taxpayer:

- Must be sixty (60) years of age or older as of July 1, 2021 AND
- Must own and occupy, as principal place of residence to which the tax work-off credit will be applied, as of July 1, 2021 AND
- Must work as a volunteer for a designated Town Department for 91 hours within the tax year.
- Receive up to \$1,000 property tax abatement.

For applications, contact Veteran Services at 508-660-7325.

Elderly, Surviving Spouse, Minor Child (Clause 17D):

To qualify, a taxpayer:

- Must be a surviving spouse or surviving minor child and be over 65 years of age as of July 1, 2021 AND
- Must have owned and occupied the property for five years AND
- Assets not to exceed \$40,000. (Excluded assets are domicile, household items, and motor vehicles.)
- Exemption amount ranges from \$175 to \$350.

Disabled Veteran (Clause 22):

To qualify, a taxpayer:

- Must be a veteran or spouse of a veteran AND
- Must have a service-connected disability of 10% or more AND
- Certification of war-service connected disability from the Veterans Administration and Separation Papers.
- Must have lived in Massachusetts for not less than 5 years prior to filing exemption.
- Honorably discharged.
- Exemption amount range \$400 up to Full Tax Bill.

Blind Person (Clause 37A):

To qualify, a taxpayer:

- Must be a legal resident of the Commonwealth of Massachusetts AND
- Own and occupy the property as his/her domicile as of July 1 AND
- You must submit a current "Certificate of Legal Blindness" from the Massachusetts Commission for the Blind.
- Exemption amount ranges from \$500 to \$1,000.

Walpole

TOWN

MDM-1 - Fiscal Year 2021

lauses with an asterisk by State Reimbursement column are not reimbursed by the Commonwealth.

Clause	Туре	Number of Exemptions Granted	Tax Dollars Abated on Exemptions	State Reimbursement
17	Surviving Spouses, minors or persons 70 years or over	0	0.00	0.00
17C	Surviving Spouses, minors or persons 70 years or over	0	0.00	0.00
17C 1/2	Surviving Spouses, minors or persons 70 years or over	of sidely is said of	0.00	0.00
17D	Surviving Spouses, minors or persons 70 years or over	7	1,925.00	7,000.00
18	Hardship	3	4,250.00	0.00*
18A	Deferred taxes	0	0.00	0.00*
22(a-f)	Veterans	130	101,600.00	29,250.00
Para	Paraplegics & surviving spouses of paraplegics (G.L. 58 §8)	2	22,135.35	21,785.35
22A	Veterans & surviving spouses	10 P 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,500.00	575.00
22B	Veterans & surviving spouses	0	0.00	0.00
22C	Veterans & surviving spouses	1	3,000.00	1,325,00
22D	Surviving spouse	6	37,405.70	37,405.70
22E	Veterans & surviving spouses	45	87,000.00	37,125.00
37	Blind	0	0.00	0.00
37A	Blind	10	10,000.00	875.00
41	Certain elderly persons 70 years of age or over	0	0.00	u = Mu a Ministra a
41B	Certain elderly persons 70 years of age or over	0	0.00	
41C	Certain elderly persons 70 years of age or over	14	28,000.00	
41C 1/2	Certain elderly persons 70 years of age or over	0	0.00	
41A	Deferred taxes persons 65 years or over	5	23,343.48	0.00*
42	Surv. spouses of police officers/firefighters killed in the line of duty	1	6,919.89	0.00*
43	Surv. minors of police officers/firefighters killed in the line of duty	0	0.00	0.00*
50	Elderly housing (G.L. 59 §5)	0	0.00	0.00*
52	Elderly persons water/sewer debt shift (G.L. 59 §5)	0	0.00	0.00*
53	Septic system/cesspool (G.L. 59 §5)	01 0 0 0 0 0	0.00	0.00*
56	Guardsman and Reservists Deployed	0	0.00	0.00*
57	Optional Senior Exemption	0	0.00	0.00*
	Total	225	327,079.42	135,341.05
	Chapter 73, §4, Acts of 1986, percentage adopted	ue is mesowers	0.00	,

Signatures

Assessor/Assessing Clerk

Pamala Spence, Senior Assessing Clerk , Walpole , pspence@walpole-ma.gov 508-660-7236 | 5/27/2021 9:16 AM

Comment: Submitted on behalf of the Walpole Board of Assessors

Documents

o documents have been uploaded.



Residential Exemption

What is the Residential Exemption?

A Residential Exemption is one of the options available to cities and towns under property tax classification. MGL c. 59, sec. 5C. It shifts the tax burden within the residential class from owners of moderately valued residential properties to the owners of vacation homes, higher valued homes and residential properties not occupied by the owner, such as apartments and vacant land.

A municipality can grant a residential exemption up to 35% of the average residential value for each owner-occupied property for real estate tax purposes. This is done by shifting a portion of the tax levy from the owner occupied residential to the non-owner occupied properties and lower valued properties to higher valued properties. Since the tax dollars loss by granting the residential exemption still must be made up by the residential class, the balance of the residential portion of the levy is raised by increasing the tax rate for the entire class. The effect is basically to shift the tax burden from average and lower valued homes to apartments, summer homes and higher value homes.

Once again the effect is basically to shift some of the tax burden from low valued to higher valued properties and from the owner-occupied properties to the non-owner properties.

How is the residential exemption adopted?

The selectmen or mayor, with the approval of the city council, may adopt a residential exemption for all Class One residential properties that are the principal residence of the taxpayer on January 1. Beginning in fiscal year 2017, the exemption may be up to 35 percent of the average assessed value of all Class One residential properties unless the city or town has special legislation setting a different limit. See secs.124 and 247 of c. 218 of the Acts of 2016 (the Municipal Modernization Act). The adoption is made annually, usually at the same time as the adoption of the residential factor which determines the percentages of the local tax levy to be borne by each class of real property under MGL c. 40, sec. 56. See Section IV-C of Informational Guideline Release (IGR) 16-402. However, the residential exemption may be adopted before or after the adoption of the residential factor.

How is the residential exemption calculated?

To calculate the exemption, the assessors first determine the average assessed value of all residential parcels. The adopted percentage (not more than 35 percent unless a special act provides otherwise) is applied to this amount. The assessed valuation of each residential parcel that is the domicile of the taxpayer is then reduced by that amount. However, the application of the residential exemption, in addition to any other exemptions allowable under MGL c. 59, sec. 5, may not reduce the taxable value of the property to less than 10 percent of its full and fair cash value, except through the application of the hardship exemption found in MGL c. 59, sec. 5, Cl. 18.

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What is the effect of the adoption of the residential exemption?

Adopting a residential exemption increases the residential tax rate. The amount of the tax levy paid by the residential class remains the same, but because of the exempted residential valuation, the levy is distributed over less assessed value. This higher rate creates a shift within the class that reduces the taxes paid by homeowners with moderately valued properties. Those taxes are then paid by owners of rental properties, vacation homes and higher valued homes.

To estimate the potential impact of the adoption of the residential exemption in your community, there is a Residential Exemption Financial Calculator on the DLS Technical Assistance Bureau's "Tools and Financial Calculators" webpage.

What is the qualification date for the residential exemption?

January 1 is the qualification date for the residential exemption. Generally, MGL c. 59, sec. 5 generally establishes a July 1 qualification date for personal exemptions, e.g., veterans, seniors and surviving spouses. However, the residential exemption is established by MGL c. 59, sec. 5C and is part of property tax classification. Therefore, eligibility is determined as of the January 1 assessment and classification date for the fiscal year for which the exemption relates.

Who is eligible for the residential exemption?

The exemption is applied to the "principal residence of a taxpayer as used by the taxpayer for income tax purposes." A taxpayer must own the residence and can receive the residential exemption on only one property. If the property is subject to a trust, the taxpayer must be a trustee of record on January 1, i.e., hold record legal title. <u>Moscatiello v. Board of Assessors of Boston</u>, 36 Mass. App. Ct. 622 (1994).

Can a taxpayer receive a residential exemption if taxpayer is not required to file income tax returns or if the address on the taxpayer's income tax return is not the property for which an application for exemption has been submitted?

Yes, if the property was the person's principal residence on January 1. In <u>Wiggins v. Board of Assessors of Boston</u>, Appellate Tax Board No. X299727 (January 13, 2009), taxpayer purchased and moved into the subject property in July of 2006, residing there continuously through January 1, 2007, the assessment date for FY2008. However, taxpayer's 2006 state and federal income tax returns used the address of taxpayer's place of business located in Medford. The assessors denied the exemption stating that a "taxpayer must use the address of the property for which an exemption is claimed on the taxpayer's Massachusetts income tax return in order to qualify for the exemption." The ATB disagreed and held that the taxpayer was eligible for the residential exemption, stating, "In both the federal and Massachusetts income tax contexts, the determination of whether a taxpayer is using his property as his principal residence is based on an analysis of all the facts and circumstances present in each case." In reaching its decision that the property was the principal residence of the taxpayer for purposes of the residential exemption, the ATB considered the following evidence:

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quitclaim deed to the taxpayer of the property, monthly utility and cable bills addressed to the taxpayer at the property for services rendered at the property and evidence that taxpayer did not own or use another property as a residence.

Other indicators for determining place of principal residence include voting records, membership in churches or clubs, motor vehicle registration records, census records and address on Massachusetts driver's license.

How does a taxpayer apply for the residential exemption?

Annual applications are not required in order to receive the residential exemption, which is applied by the assessors to reduce the assessed valuation before billing. If applied, the exemption is shown on the actual tax bill. A taxpayer who believes he or she is eligible for the exemption and did not receive it may apply to the assessors for an abatement or exemption. Beginning with fiscal year 2017, the application must be filed by April 1, or three months after the actual tax bills are mailed if later, unless the city or town has special legislation setting a different deadline. See secs.125 and 247 of <u>c. 218 of the Acts of 2016</u>. A timely application for residential exemption functions as an application for abatement for purposes of <u>MGL c. 59</u>, sec. <u>59</u>, which gives the taxpayer a right of appeal under <u>MGL c. 59</u>, secs. <u>64</u> and <u>65</u> if the assessors deny the exemption.

Residential Exemption Walpole FY 2022

There are 8,609 residential parcels that could receive the residential exemption. It is unknown at this time how many of these parcels would qualify. The best estimate at this time is approximately 758 parcels would not receive the exemption leaving approximately 7,851 that would qualify.

Since the tax dollars lost by granting the residential exemption must still be made up by the residential class, the balance of the residential portion of the levy is raised by increasing the tax rate for the entire residential class.

The average residential value in Walpole for FY 2022 is \$591,350 dollars. At 25% the exemption, would be \$139,000 dollars of assessment would be exempt for each qualifying parcel.

At the current residential factor or shift of 1.275, no residential exemption, the projected residential tax rate for FY 2022 would be \$14.46 per thousand of assessment.

If adopted, the tax rate with the residential exemption at the current shift would be \$18.73 per thousand of assessment.

Once again the effect is basically to shift some of the tax burden from low valued to higher valued properties and from the owner-occupied properties to the non-owner properties.

We have calculated the "Break-Even" assessment for FY 2022 to be \$609,644 with the current 1.275 shift. In other words, if the residential exemption is adopted, residential properties assessed higher than the breakeven valuation of \$609,644 will experience an additional tax increase and residential properties assessed lower will experience a decrease. For FY 2022 there are approximately 2,329 Residential Properties are over the breakeven point of \$609,644.

RESIDENTIAL EXEMTPION

15 Coummunites have Adopted Exemption

COUMMUNITY			PERCENTAGE
TISBURY			18%
BARNSTABLE			20%
TRURO			20%
WELLFLEET		68	20%
BROOKLINE			21%
WATERTOWN			24%
EVERETT			25%
NANTUCKET			25%
PROVINCETOWN			25%
CAMBRIDGE			30%
MALDEN			30%
CHELSEA			31%
BOSTON			35%
SOMERVILLE			35%
WALTHAM			35%

BREAKEVEN CALCULATION FO	OR RESIDENTI	AL EXEMPTION				
A. Enter Tax Rate With Resident	\$18.73					
B. Enter Tax Rate w/o Residentia	\$14.46					
C. Enter Rate Differential (A min	\$4.27					
D. Enter Value Amount of Exem	•					
E. Enter Tax Amount of Exempti			\$139,000			
	,		\$2,603,562			
F. Calculate Breakeven Point (E	divided by C)		\$609,644			
G. Residential Exemption %			25%			
2019	Accounts					
SINGLE FAMILY	6,616	3,912,376,400				
CONDOMINIUMS	1,235					
MULTIPLE HOMES ON ONE LOT	31					
TWO FAMILY	198	, ,				
THREE FAMILY	39	,				
APARTMENTS FOUR OF MORE		, ,				
	43					
VACANT & ACCESSORY LAND	390	, ,		Avg Residential		
MULTIPLE USE PROPERTY	57	31,451,189		Assessed		
TOTAL RESIDENTIAL	8,609	4,786,612,789		\$556,001		
Residential Exemption (only own	ner-occupied)					
Avg Residential	\$556,001		Avg Home	\$591,351		
% Residential Exemption	25.00%		•	, ,		
Exemption Amount	\$139,000					
Assessment Reduced By	\$139,000					
				Estimated		
	Accounts	Non-Owners		Non-Owners		
SINGLE FAMILY	6,616	1.00%		66		
CONDOMINIUMS	1,235	10.00%		124		
MULTIPLE HOMES ON ONE LOT	31	50.00%		16		
TWO FAMILY	198	25.00%		50		
THREE FAMILY	39	75.00%		29		
APARTMENTS FOUR OF MORE	43	95.00%		41		
VACANT & ACCESSORY LAND	390	100.00%		390		
MULTIPLE USE PROPERTY	57	75.00%		43		
TOTAL BEAUTIFUL				.0		
TOTAL RESIDENTIAL	8,609			758		
Non-Owners	758					
Qualify Parcels	7,851	\$139,000	X	\$1,091,359,114	Value to Res	
Total Residential Assessment		\$4,786,612,789	minus	\$1,091,359,114	\$3,695,253,675	
Total Taxes Residential Levy	\$69,214,421			Average		
·		New Tax Rate	\$18.73	Assessed Home	Taxes	Difference
Without Exemption at 1.275%		\$14.46		\$591,351	\$8,551	
With Exemption minus	\$139,000	\$18.73		\$452,350	\$8,473	Ċ70
Without Exemption	, , , , , , , , , , , , , , , , , , , ,	\$18.73		\$591,351		\$78
		Q10.75		5221,221	\$11,076	\$2,525
Breakeven Assessment	\$609,644	\$0	\$609,644	\$14.46	CO 04F AF	_
					\$8,815.45	
Breakeven Assessment	\$609,644	\$139,000	\$470,644	\$18.73	\$8,815.45	

Scenario @	25%	Example %				
Assessed Value of Property	Scenario 25% Exemption \$139,000	Tax Bill Proposed Rate @ \$14.46	Tax Bill With Exemption \$18.73	Tax Bill Non-Qualify Owners \$18.73	Difference Tax Bill Owners w/Exempt.	Difference Tax Bill Non-Qualify w/o Exempt.
Value		Tax Bill	Tax Bill	Tax Bill	Tax Bill	Tax Bill
\$150,000		\$2,169	\$206	\$2,810	-\$1,963	\$641
\$200,000		\$2,892	\$1,143	\$3,746	-\$1,749	\$854
\$250,000		\$3,615	\$2,079	\$4,683	-\$1,536	\$1,068
\$300,000		\$4,338	\$3,016	\$5,619	-\$1,322	\$1,281
\$350,000		\$5,061	\$3,952	\$6,556	-\$1,109	\$1,495
\$400,000		\$5,784	\$4,889	\$7,492	-\$895	\$1,708
\$450,000		\$6,507	\$5,825	\$8,429	-\$682	\$1,922
\$475,000		\$6,869	\$6,293	\$8,897	-\$575	\$2,029
\$525,000		\$7,592	\$7,230	\$9,834	-\$361	\$2,242
\$550,000		\$7,953	\$7,698	\$10,302	-\$255	\$2,349
\$591,351	Avg Home	\$8,551	\$8,473	\$11,076	-\$78	\$2,525
\$609,644	Breakeven	\$8,815	\$8,815	\$11,419	\$0	\$2,604
\$625,000		\$9,038	\$9,103	\$11,707	\$66	\$2,669
\$675,000		\$9,761	\$10,040	\$12,643	\$279	\$2,883
\$725,000		\$10,484	\$10,976	\$13,580	\$493	\$3,096
\$775,000		\$11,207	\$11,913	\$14,516	\$706	\$3,310
\$825,000		\$11,930	\$12,849	\$15,453	\$920	\$3,523
\$875,000		\$12,653	\$13,786	\$16,389	\$1,133	\$3,737
\$925,000		\$13,376	\$14,722	\$17,326	\$1,133	\$3,757
\$975,000		\$14,099	\$15,659	\$18,262	\$1,560	\$4,164
\$1,025,000		\$14,822	\$16,595	\$19,199	\$1,774	
\$1,250,000		\$18,075	\$20,810	\$23,413	\$2,735	\$4,377 \$5,338
Apartments						DIFFERENCE
¢2.000.000		The residence				
\$2,000,000		\$28,920		\$37,461		\$8,541
\$3,025,000		\$43,742		\$56,660		\$12,919
\$5,025,000		\$72,662		\$94,121		\$21,460
\$8,025,000		\$116,042		\$150,313		\$34,272
\$11,025,000		\$159,422		\$206,505		\$47,084
\$14,025,000		\$202,802		\$262,697		\$59,896
\$17,025,000		\$246,182		\$318,889		\$72,707
\$20,025,000		\$289,562		\$375,081		\$85,519
\$23,025,000		\$332,942		\$431,273		\$98,331
\$26,025,000		\$376,322		\$487,465		\$111,143
\$29,025,000		\$419,702		\$543,656		\$123,955
\$32,025,000 \$35,025,000		\$463,082		\$599,848		\$136,767
\$38,025,000		\$506,462		\$656,040		\$149,579
\$41,025,000		\$549,842		\$712,232		\$162,391
		\$593,222		\$768,424		\$175,203
\$44,025,000 \$47,025,000		\$636,602		\$824,616		\$188,014
\$50,025,000		\$679,982		\$880,808		\$200,826
730,023,000		\$723,362		\$937,000		\$213,638

Small Commercial Exemption

A property tax classification option where a community may exempt up to 10 percent of the value of Class Three, Commercial parcels **ONLY**. In effect, the option shifts the tax burden from parcels occupied by small businesses to those occupied by other commercial and industrial taxpayers. Eligible small businesses have an average annual employment of no more than ten persons. (See <u>Information Guideline Release 00-403</u>)

To receive a small commercial exemption, a Class Three Commercial parcel must be occupied as of January 1 by a business with an average annual employment of no more than 10 people at all locations during the previous year, and have a valuation of less than \$1,000,000.

Any small commercial exemption granted is borne by other Class 3, Commercial and Class 4 Industrial Properties, but not by Class 5, Personal Property. The exemption cannot exceed 10% of the assessed value of the property and the tax burden is shifted to only the other commercial & industrial class resulting in a higher tax rate for those properties.

Only Class 3 Commercial can qualify. Class 4 Industrial properties <u>cannot</u> receive the exemption.

There are 244 Class 3 Commercial Properties, 228 Class 4 Industrial Properties.

The Board of Assessors performed a quick analysis of the number of parcels that could qualify; they believe between 75 and 145 commercial properties could possibly meet the criteria.

The Executive Office of Labor and Workforce Development Department of Unemployment Assistance supplied a list of all employees located in Walpole having had an average of ten or fewer employees in the past calendar year.

SMALL COMMERCIAL EXEMPTION

14 Coummunites have Adopted Exemption

COUMMUNITY	PERCENTAGE
North Attleborough	5%
Auburn	10%
Avon	10%
Bellingham	10%
Berlin	10%
Braintree	10%
Chelmsford	10%
Dartmouth	10%
Erving	10%
New Ashford	10%
Seekonk	10%
Swampscott	10%
Westford	10%
Wrentham	10%